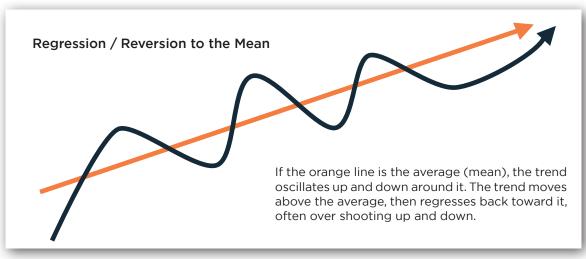


So, just what is 'mean reversion'? Wikipedia defines it as "the assumption that a stock's price will tend to move to the average price over time." But do you want an even simpler, more real-life example? OK, say a stock is at \$20, bad news comes out, and it goes to \$10 over a few days. Is there an opportunity to buy it at \$10, sell it at \$15, and reap a 50% gain? We think so.

Let's start at the top. The market overreacts to everything. If the news is bad, investors see the stock going to zero. If its good news, they see the stock going to \$10,000. And it isn't just concentrated to individual equities.







## **MEAN REVERSION** CONTINUED

Look at some of the single largest market-move days on the S&P 500:

On September 29, 2008, the S&P 500 lost 106.85 points. That's a single day drop of 8.81%. Two weeks later, on October 13, it bounced back with a 104.13-point gain, or 11.58%. If that wasn't enough of a recovery for you, the S&P 500 added another 91 points, or 10.79%, on October 28.

Does everyone remember the technology bubble of 2000? Well, it reached a crescendo on March 16, 2000, with a 66-point gain, still the third highest daily gain in the last 50 years on the S&P 500. This was followed up by an 84-point decline on April 14, the third largest decline in the last 50 years. Both moves happened all within one month.

Over the last two months, in our monthly white papers we have tried our best to debunk investing. For investing is not that complicated—human emotions are.

In June, we wrote about "Time in the Market, Not Market Timing", which emphasized that, if you have a plan and are patient and disciplined in your approach to investing, then money is virtually assured to be made. Was there a difference between investing on the best day of the year and the worst? Sure. Was it enough for someone to regret their decision? No way. The results were 8.82% vs 6.58% over 20 years. If you look at 10-year rolling periods in the S&P 500, there are 80 points to review, and 75 of those 80 resulted in positive returns if you had a 10-year time horizon. Those numbers dropped to 65 positive and 24 negative periods if your time horizon was one year.

In July, we examined investor behavior and an investor's virtually perfect penance if acting on their own for selling at the low and locking in a loss. We highlighted that the average mutual fund in a 10-year period had a 9% return while investors in those funds had returns of less than 3%, that fear was greater than greed, and that nearly every investor feels that zero is in play when things turn south.

This month, we are discussing the finer points of investing and looking at where "select, measured" opportunities could be taken advantage of from either an individual equity standpoint, or even a sector play, based on mean reversion.

2

Of 6





# MOST INVESTORS CONTINUED

		5	S&P	500	Secto	or Perfo	rmance			
2007	2008	2009	2010	)	2011	2012	2013	2014	2015	2016
ENRS 34.4%	CONS -15.4%	INFT 61.7%	REAL 32.3%		UTIL 19.9%	FINL 28.8%	COND 43.1%	REAL 30.2%	COND 10.1%	ENRS 27.4%
	HLTH -22.8%	MATR 48.6%	COND 27.7%		CONS 14.0%	COND 23.9%	HLTH 41.5%	UTIL 29.0%	HLTH 6.9%	TELS 23.5%
UTIL 19.4%	UTIL -29.0%	COND 41.3%	INDU 26.7%		HLTH 12.7%	REAL 19.7%	INDU 40.7%	HLTH 25.3%	CONS 6.6%	FINL 22.8%
INFT 16.3%	TELS -30.5%	REAL 27.1%	MATR 22.2%		REAL 11.4%	TELS 18.3%	FINL 35.6%	INFT 20.1%	INFT 5.9%	INDU 18.9%
CONS 14.2%	COND -33.5%	S&P 26.5%	ENRS 20.5%		TELS 6.3%	HLTH 17.9%	S&P 32.4%	CONS 16.0%	REAL 4.7%	MATE 16.7%
INDU 12.0%	ENRS -34.9%	INDU 20.9%	TELS 19.0%		COND 6.1%	S&P 16.0%	INFT 28.4%	FINL 15.2%	TELS 3.4%	UTIL 16.3%
TELS 11.9%	S&P -37.0%	HLTH 19.7%	S&P 15.1%		ENRS 4.7%	INDU 15.4%	CONS 26.1%	S&P 13.7%	S&P 1.4%	INFT 13.9%
HLTH 7.2%	INDU -39.9%	FINL 17.2%	CONS 14.1%		INFT 2.4%	MATR 15.0%	MATR 25.6%	INDU 9.8%	FINL -1.5%	S&P 12.0%
S&P 5.5%	REAL -42.3%	CONS 14.9%	FINL 12.1%		S&P 2.1%	INFT 14.8%	ENRS 25.1%	COND 9.7%	INDU -2.5%	COND 6.0%
COND -13.2%	INFT -43.1%	ENRS 13.8%	INFT 10.2%		INDU -0.6%	CONS 10.8%	UTIL 13.2%		UTIL -4.8%	CONS 5.4%
REAL -17.9%	MATR -45.7%	UTIL 11.9%	UTIL 5.5%			ENRS 4.6%	TELS 11.5%	TELS 3.0%		REAL 3.4%
FINL -18.6%	FINL -55.3%	TELS 8.9%	HLTH 2.9%		FINL -17.1%	UTIL 1.3%	REAL 1.6%	ENRS -7.8%	ENRS -21.1%	HLTH -2.7%
Abbr.		r Index	Annual	Best	Worst		ce does not guarante			
COND	S&P 500 Consumer Di	9.64% 43.1% -33.5%				hanges in market tre				
CONS		S&P 500 Consumer Staples Index		26.1%	-15.4%		Returns represent tot			
ENRS	S&P 500 Energy Index	S&P 500 Energy Index S&P 500 Financials Index		34.4%	-34.9%		lude fees and expens			
FINL	S&P 500 Financials Index S&P 500 Health Care Index		-0.36% 9.58%	35.6% 41.5%	-55.3% -22.8%	-	nd risk tolerance. For	assistance, talk to	a financial profession	nal. All data
INDU	S&P 500 Industrials In	7.79%	40.7%	-39.9%	are as of 12/31/1	6.				
INFT	S&P 500 Information	9.93%	61.7%	-43.1%						
MATR				48.6%	-45.7%					
REAL	S&P 500 Real Estate In	4.29%	32.3%	-42.3%						
TELS	S&P 500 Telecommunication Services Index S&P 500 Utilities Index		6.39%	23.5%	-30.5%					
S&P	S&P 500 Othlities Inde	6.94%	32.4%	-37.0%						

The above chart shows the performance results of 12 sectors within the S&P 500. Energy was the worst-performing sector in 2014 and 2015, and then the best in 2016. Real estate went from third to last to first in 2012, 2013 and 2014. Health Care had a good run: second, third, and second again in 2013, 2014 and 2015, and then last in 2016, and it's #1 YTD in 2017 (as of July 6, 2017). At WT Wealth Management, we believe this epitomizes mean reversion.

Do we pick sectors based on this? Sometimes. It's simply one of the dozen or so tools we use to try to place our investors in areas we believe have the best chance of success with, in our opinion, as little downside as possible.





## MOST INVESTORS CONTINUED

In short, nothing stays up or down forever. Often the biggest loser one year is the biggest winner the next, and the biggest winner frequently becomes the biggest loser. That's the essence of mean reversion. A 5-, 10- or 15-year chart makes it look like a smooth ride, but in reality it never is. Unforced errors and missed opportunities present themselves every day. This harkens back to our incessant talk of having a plan and knowing your risk tolerance and real objectives.

The same opportunities present themselves in the individual equity world almost daily, and especially around earnings season. In our more aggressive accounts, where investors want speculation, we use a strategy of buying when "blood is in the streets". Not a game for the faint of heart, mean reversion requires knowledge, discipline and patience.

Consider Palo Alto Networks. (The chart is below.) Tech companies like Palo Alto trade based significantly on earnings and earnings guidance. They also trade at high price to earnings (PE), which make them even more volatile. Earlier this year it had one of those instances and fell from the \$150/\$155 range to \$115 in a few trading days. Then, by June, good news surfaced, and the stock rallied back to the mid \$130's.

Does it always work like this? Heck no. It could take you months or years to capture your return. Again, as I stated earlier, mean reversion is one of a dozen tools we use for trading individual equities. In this case, we did buy Palo Alto under \$112 and sold half our position above \$135, a nifty 20% gain on that trade.







#### CONCLUSION

It should be no secret—investors, speculators and trades overdo everything. Nothing is as bad or as good as we all would be led to believe.

Mean reversion is a real tool on both the upside and the downside. It's one reason why we at WT Wealth Management constantly fade winners by selling and taking profits. It's also a reason why we may be buying stocks on a day when people question our sanity. Human nature is funny. Many people would feel better buying a stock that had gone from \$10 to \$20, than from \$20 to \$10.

Read that last sentence over and over again. It's human nature at its best—or maybe its worst.

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An investment in the strategy is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency.

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In addition to the normal risks associated with investing, narrowly focused investments, investments in smaller companies, sector ETF's and investments in single countries typically exhibit higher volatility. International, Emerging Market and Frontier Market ETFs investments may involve risk of capital loss from unfavorable fluctuations in currency values, from differences in generally accepted accounting principles or from economic or political instability that other nation's experience. Emerging markets involve heightened risks related to the same factors as well as increased volatility and lower trading volume. Bonds, bond funds and bond ETFs will decrease in value as interest rates rise. A portion of a municipal bond fund's income may be subject to federal or state income taxes or the alternative minimum tax. Capital gains (short and long-term), if any, are subject to capital gains tax.

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